09/447,490 Thomas McKenzie

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 NEWS  6  DEC 01  LISA now available on STN
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 NEWS  8  DEC 15  MEDLINE update schedule for December 2004
 NEWS  9  DEC 17  ELCOM reloaded; updating to resume; current-awareness
                  alerts (SDIs) affected
 NEWS  10 DEC 17  COMPUAB reloaded; updating to resume; current-awareness
                  alerts (SDIs) affected
 NEWS  11 DEC 17  SOLIDSTATE reloaded; updating to resume; current-awareness
                  alerts (SDIs) affected
 NEWS  12 DEC 17  CERAB reloaded; updating to resume; current-awareness
                  alerts (SDIs) affected
 NEWS  13 DEC 17  THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
 NEWS  14 DEC 30  EPFULL: New patent full text database to be available on STN
 NEWS  15 DEC 30  CAPLUS - PATENT COVERAGE EXPANDED
 NEWS  16 JAN 03  No connect-hour charges in EPFULL during January and
                  February 2005
 NEWS  17 JAN 26  CA/CAPLUS - Expanded patent coverage to include the Russian
                  Agency for Patents and Trademarks (ROSPATENT)
 NEWS  18 FEB 10  STN Patent Forums to be held in March 2005
 NEWS  19 FEB 16  STN User Update to be held in conjunction with the 229th ACS
                  National Meeting on March 13, 2005

 NEWS EXPRESS  JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

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DICTIONARY FILE UPDATES: 15 FEB 2005 HIGHEST RN 831913-30-5

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http://www.cas.org/ONLINE/DBSS/registryss.html

=> s carbamazepine/cn
L1 1 CARBAMAZEPINE/CN

=> s iminostilbene/cn
L2 1 IMINOSTILBENE/CN

=> file caplus; caold
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FILE LAST UPDATED: 15 Feb 2005 (20050215/ED)

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=> file caplus caold
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=> s l1/prep AND l2/rct
QUALIFICATION NOT VALID FOR L1
Field code qualifications can only be applied to text
terms.

=> s (l1 (L) prep/rl)  AND (l2 (L) rct/rl)
'RL' IS NOT A VALID FIELD CODE
L3          18 (L1 (L) PREP/RL) AND (L2 (L) RCT/RL)

=> file reg
FILE 'REGISTRY' ENTERED AT 12:17:04 ON 16 FEB 2005
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STRUCTURE FILE UPDATES:   15 FEB 2005  HIGHEST RN 831913-30-5
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  Please note that search-term pricing does apply when
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Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
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http://www.cas.org/ONLINE/DBSS/registryss.html

=> d rn l1

L1   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   298-46-4  REGISTRY


=> d rn l2

L2   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
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RN 256-96-2 REGISTRY

```
=> file caplus caold
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=> s 298-46-4/prep AND 256-96-2/rct
'PREP' IS NOT A VALID FIELD CODE
'RCT' IS NOT A VALID FIELD CODE
L4          18 298-46-4/PREP AND 256-96-2/RCT

=> s (298-46-4 (L) prep/rl)  AND (256-96-2 (L) rct/rl)
'RL' IS NOT A VALID FIELD CODE
L5          18 (298-46-4 (L) PREP/RL) AND (256-96-2 (L) RCT/RL)

=> s (298-46-4 (L) prep/role)  AND (256-96-2 (L) rct/role)
'ROLE' IS NOT A VALID FIELD CODE
'ROLE' IS NOT A VALID FIELD CODE
L6           0 (298-46-4 (L) PREP/ROLE) AND (256-96-2 (L) RCT/ROLE)

=> sort l5 py
SORT ENTIRE ANSWER SET? (Y)/N:.
PROCESSING COMPLETED FOR L5
L7          18 SORT L5 PY

=> d 1-18 cbib pi abs

L7   ANSWER 1 OF 18  CAPLUS  COPYRIGHT 2005 ACS on STN
1973:536999   Document No. 79:136999  Pharmaceutical 5-carbamoyl-5H-
     dibenz[b,f]azepines and their 10,11-dihydro derivatives.  Roehnert,
     Helmut; Carstens, Ernst (VEB Arzneimittelwerk Dresden).  Ger. Offen. DE
     2307174 19730830, 12 pp.  (German).  CODEN: GWXXBX.  APPLICATION: DE
     1973-2307174 19730214.
```

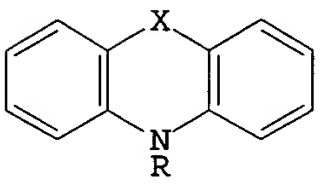
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2307174	A1	19730830	DE 1973-2307174	19730214
	DD 101670	Z	19731112	DD 1972-161046	19720222
	AT 7301264	A	19750315	AT 1973-1264	19730213
	AT 326664	B	19751229		
	HU 166344	P	19750328	HU 1973-AE375	19730220
	NL 7302489	A	19730824	NL 1973-2489	19730222
	FR 2173172	A1	19731005	FR 1973-6280	19730222
	SU 514829	T	19760525	SU 1973-1887236	19730222

```
GI   For diagram(s), see printed CA Issue.
AB   Eight dibenzazepines (I; X = CH:CH or CH2CH2; R = H, Ac, Bz, or COCH2Cl),
     useful as anticonvulsants, muscle relaxants, and tranquilizers, were
     prepared by reaction of RNCO with iminostilbene (II; X = CH:CH) and
     iminodibenzyl, resp., optionally followed by acid or alkaline hydrolysis.
     Thus, AcNCO was added to II in C6H6 and the mixture stirred 4 hr to give 93%
     I (X = CH:CH, R = Ac) (III).  III was refluxed 4 hr in MeOH-MeONa to give
     97% I (X = CH:CH, R = H).
```

L7 ANSWER 2 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
1976:421150 Document No. 85:21150 5-Substituted dibenz[b,f]azepines. (VEB Arzneimittelwerk, Ger. Dem. Rep.). Jpn. Kokai Tokkyo Koho JP 49126689 19741204 Showa, 6 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP 1973-35849 19730330.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 49126689	A2	19741204	JP 1973-35849	19730330

GI



I, R=C(O)NHR[1]
II, R=H

AB Dibenzazepines I (X = CH:CH, CH2CH2; R1 = acyl, H) were prepared by treating II with R1NCO and optional hydrolysis. Thus, II (X = CH:CH) in benzene was treated with equimolar AcNCO at room temperature for 4 hr to give 93% I (R1 = Ac, X = CH:CH), which was refluxed in MeOH-MeONa for 4 hr to give 97% I (R1 = H, X = CH:CH). Also prepared were I (X = CH:CH, CH2CH2; R1 = ClCH2CONHCO, BzNHCO).

L7 ANSWER 3 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
1978:424181 Document No. 89:24181 5-Carbamoyl-5H-dibenzo[b,f]azepine. Stepinski, Piotr; Muehlbrod, Jan; Osowski, Antoni (Starogardzkie Zaklady Farmaceutyczne "Polfa", Pol.). Pol. PL 89708 19770730, 2 pp. (Polish). CODEN: POXXA7. APPLICATION: PL 1973-166631 19731119.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI PL 89708	P	19761231	PL 1973-166631	19731119

AB 5-Carbamoyl-5H-dibenzo[b,f]azepine (I) was prepared by condensation of 5H-dibenzo[b,f]azepine (II) with COCl2 and amidation of the resulting 5-chlorocarbonyl derivative of II with NH3(g). Thus, PhMe saturated with COCl2 at 0-5°, was added to 30 g II in PhMe, the whole was heated to 100°, treated at 40° with concentrated H2SO4, the upper layer filtered, and the filtrate heated for 5 h at 55-60° and 2 atm with 100 mL 25° NH4OH to give 35 g I.

L7 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
1981:569015 Document No. 95:169015 5-Cyano-5H-dibenz[b,f]azepine and 5H-dibenz[b,f]azepine-5-carboxamide. Aufderhaar, Ernst; Sprecher, Klemenz; Zergenyi, Janos (Ciba-Geigy A.-G., Switz.). Eur. Pat. Appl. EP 29409 19810527, 16 pp. (German). CODEN: EPXXDW. APPLICATION: EP 1980-810321 19801024.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 29409	A1	19810527	EP 1980-810321	19801024
EP 29409	B1	19840815		
R: BE, CH, DE, FR, GB, IT, NL, SE				
JP 56081565	A2	19810703	JP 1980-138841	19801006
JP 01044703	B4	19890929		
ES 496334	A1	19820301	ES 1980-496334	19801028
DK 8004575	A	19810501	DK 1980-4575	19801029
US 4436660	A	19840313	US 1982-378464	19820514
JP 01045369	A2	19890217	JP 1988-179280	19880720

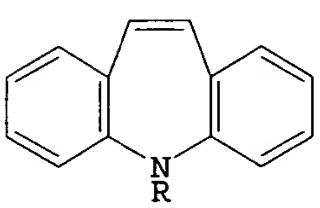
JP 02048548 B4 19901025

AB The title cyano compound (I) was prepared by the reaction of 5H-dibenz[b,f]azepine (II) with a cyanogen halide in the presence of a strongly polar substance, e.g., an N-alkylated carboxamide or phosphoramide, which can serve both as a catalyst and as a solvent. I was hydrolyzed to the title carboxamide. Thus, ClCN reacted with II in AcNMe2 at 30° to give 70% I.

L7 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN

1982:472233 Document No. 97:72233 A new synthesis of 5H-dibenz[b,f]azepin-5-carboxamide (carbamazepine). Sinha, A. K.; Agarwal, P. K.; Nizamuddin, S. (Univ. Dep. Chem., Bihar Univ., Muzaffarpur, 842 001, India). Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry, 21B(3), 237-8 (English) 1982. CODEN: IJSBDB. ISSN: 0376-4699.

GI



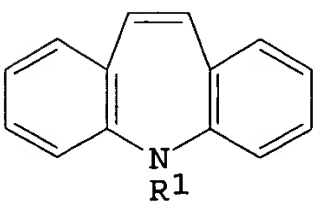
I

AB 5H-Dibenz[b,f]azepine-5-carboxamide (I, R = CONH2) was synthesized from (2-HCOC6H4)2NH by cyclization with N2H4-HOAc to give I (R = H) which on treatment with COCl2 followed by NH3 affords I (R = CONH2), identical with an authentic sample.

L7 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN

1989:75287 Document No. 110:75287 A convenient synthesis of carbamazepine (tegretol). Ahmad, S. Salman; Hafeez, Farrukh; Imtiaz, S.; Haider, S. Imtiaz; Mahmood, Tariq (H. E. J. Res. Inst. Chem., Univ. Karachi, Karachi, Pak.). Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry, 27B(6), 583 (English) 1988. CODEN: IJSBDB. ISSN: 0376-4699. OTHER SOURCES: CASREACT 110:75287.

GI



I

AB Title compound I (R1 = CONH2) (II) was prepared from I (R1 = H). The reaction of I (R1 = H) with BrCN gave I (R1 = cyano), and the latter was hydrolyzed (10% HCl) to give II.

L7 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN

1988:630829 Document No. 109:230829 Preparation of N-carbamoyldibenzazepines, especially carbamazepine. Acklin, Georg; Aufderhaar, Ernst; Kaupp, Guenter; Raez, Bernhard; Vogel, Ulrich (Ciba-Geigy A.-G., Switz.). Eur. Pat. Appl. EP 277095 A1 19880803, 7 pp. DESIGNATED STATES: R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE. (German). CODEN: EPXXDW. APPLICATION: EP 1988-810026 19880121. PRIORITY: CH 1987-276 19870127.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 277095	A1	19880803	EP 1988-810026	19880121
	EP 277095	B1	19920401		
	EP 277095	B2	20010905		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	US 4847374	A	19890711	US 1988-145430	19880119
	AT 74353	E	19920415	AT 1988-810026	19880121
	IL 85168	A1	19920906	IL 1988-85168	19880121
	ES 2032052	T3	19930101	ES 1988-810026	19880121
	FI 8800320	A	19880728	FI 1988-320	19880125
	FI 88296	B	19930115		
	FI 88296	C	19930426		
	CA 1311476	A1	19921215	CA 1988-557228	19880125
	DK 8800348	A	19880728	DK 1988-348	19880126
	DK 169625	B1	19941227		
	NO 8800325	A	19880728	NO 1988-325	19880126
	NO 169338	B	19920302		
	NO 169338	C	19920610		
	JP 63188666	A2	19880804	JP 1988-13738	19880126
	JP 2587078	B2	19970305		
	ZA 8800513	A	19880928	ZA 1988-513	19880126
	HU 46674	A2	19881128	HU 1988-294	19880126
	HU 202209	B	19910228		
	DD 270905	A5	19890816	DD 1988-312439	19880126
	AU 8810759	A1	19880728	AU 1988-10759	19880127
	AU 607459	B2	19910307		
	RO 104586	B1	19930805	RO 1988-134175	19880306
	SK 279243	B6	19980805	SK 1988-4209	19880616
	CN 1039018	A	19900124	CN 1988-104004	19880630
	CN 1038128	B	19980422		
	SU 1650008	A3	19910515	SU 1988-4356069	19880712

AB The title compound was prepared by reaction of iminostilbene with HOCN. Cl3CCO2H in PhMe was added over 1.5 h to iminostilbene in PhMe containing NaOCN, the mixture maintained an addnl. 0.5 h at 25°, and then 1 h at 50° to give carbamazepine.

L7 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN

1990:406185 Document No. 113:6185 Preparation of 5H-dibenz[b,f]azepine-5-carboxamide. Osowski, Antoni; Dereszynski, Henryk; Marzycki, Marek; Klecha, Urszula (Starogardzkie Zaklady Farmaceutyczne "Polfa", Pol.). Pol. PL 147078 B1 19890429, 5 pp. Abstracted and indexed from the unexamined application. (Polish). CODEN: POXXA7. APPLICATION: PL 1986-260365 19860628.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	PL 147078	B1	19890429	PL 1986-260365	19860628

AB The title compound (I), a known antiepileptic agent, was prepared by a condensation reaction of 5H-dibenz[b,f]azepine with COCl2 in the presence of a HCl-binding agent (especially CaCO3) and water at ≤60° to give 5-chlorocarbonyl-5H-dibenz[b,f]azepine, and amidation of the latter with NH4HCO3 or NH3 at 0.2-0.6 MPa and 60-70°.

L7 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN

1990:505214 Document No. 113:105214 Indirect hydrogenation of carbon-carbon double bonds by reduction of ammonium ions at the mercury cathode. Jugelt, Werner; Duennbier, Uwe (Sekt. Chem., Humboldt-Univ. Berlin, Berlin, DDR-1040, Ger. Dem. Rep.). Zeitschrift fuer Chemie, 30(5), 173-4 (German) 1990. CODEN: ZECEAL. ISSN: 0044-2402.

AB The indirect hydrogenation of styrene; (E)stilbine; 1,1-diphenylethene;

5H-dibenz[b,f]azepine; 5-methyl- and 5-carbamoyl derivs. of carbamerapin was studied. The hydrogenation was carried by ammonium amalgam formed by the electroredn. of NH4+ on Hg in aqueous DMF containing Et4NClO4. The yield of dimerization products was 80-85%.

L7 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
1991:429151 Document No. 115:29151 Preparation of carbamazepine. Cziaky, Zoltan; Szabo, Zoltan; Frank, Laszlo; Timar, Tibor; Galamb, Vilmos; Bartha, Ferenc; Korik, Piroska; Horvath, Katalin (Alkaloida Vegyeszeti Gyar, Hung.). Eur. Pat. Appl. EP 423679 A2 19910424, 9 pp. DESIGNATED STATES: R: CH, DE, ES, FR, GB, IT, LI. (German). CODEN: EPXXDW. APPLICATION: EP 1990-119738 19901016. PRIORITY: HU 1989-5322 19891016.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 423679	A2	19910424	EP 1990-119738	19901016
	EP 423679	A3	19910918		
	EP 423679	B1	19940427		
	R: CH, DE, ES, FR, GB, IT, LI				
	HU 55365	A2	19910528	HU 1989-5322	19891016
	HU 206321	B	19921028		
	SU 1836352	A3	19930823	SU 1990-4831323	19901015
	JP 03145472	A2	19910620	JP 1990-275496	19901016
	PL 163544	B1	19940429	PL 1990-287346	19901016

AB The title compound is prepared by condensation of 5H-dibenz[b,f]azepine with ClCO2CCl3 followed by ammonolysis of the intermediate without isolation thereof.

L7 ANSWER 11 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
1992:550906 Document No. 117:150906 Preparative method for carbamazepine. Palitzsch, Peter; Czernotzky, Klaus; Mueller, Rainer; Richter, Ehrhard; Klump, Wilfried; Kolodzeizik, Klaus (Arzneimittelwerk Dresden G.m.b.H., Germany). Ger. (East) DD 298508 A5 19920227, 8 pp. (German). CODEN: GEXXA8. APPLICATION: DD 1988-320613 19881011.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DD 298508	A5	19920227	DD 1988-320613	19881011

AB The title method comprises chlorocarbonylation of iminostilbene (I) by COCl2 in an anhydrous organic solvent at 20-60° followed by decomposition of formed I.HCl with aqueous alkali and further chlorocarbonylation under acidic conditions. The chlorocarbonyl intermediate is amidated following phase separation

L7 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
1992:214378 Document No. 116:214378 Preparation of 5-carbamoyl-5H-dibenz[b,f]azepine. Palitzsch, Peter; Mueller, Rainer; Richter, Erhard (Arzneimittelwerk Dresden G.m.b.H., Germany). Ger. (East) DD 297962 A5 19920130, 9 pp. (German). CODEN: GEXXA8. APPLICATION: DD 1990-342510 19900705.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DD 297962	A5	19920130	DD 1990-342510	19900705
	EP 485685	A2	19920520	EP 1991-103198	19910304
	EP 485685	B1	19980805		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL				
	EP 698602	A1	19960228	EP 1995-117215	19910304
	EP 698602	B1	20020206		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL				
	AT 169292	E	19980815	AT 1991-103198	19910304
	AT 212983	E	20020215	AT 1995-117215	19910304

IL 97532	A1	19960618	IL 1991-97532	19910312
US 5185443	A	19930209	US 1991-724108	19910701
HU 58294	A2	19920228	HU 1991-2264	19910704
HU 213670	B	19970929		

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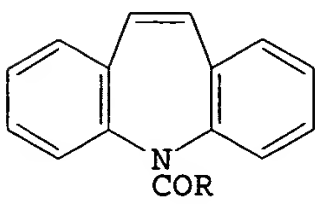

I

AB The title compound (I, R = NH2) was obtained in high yield by amidating I (R = Cl) with NH3 gas under pressure. Thus, I (R = Cl) in PhMe was treated with NH3 at 95-105° and 0.01-0.15 mPa excess pressure to give 97.4% I (R = NH2).

L7 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
1995:324687 Document No. 122:105697 Process for the manufacture of 5H-dibenz[b,f]azepine-5-carboxamide from iminostilbene and alkali cyanates. Eckardt, Rudolf; Jaensch, Hans Joachim (Arzneimittelwerk Dresden G.m.b.H., Germany). Ger. DE 4307181 C1 19941110, 4 pp. (German). CODEN: GWXXAW. APPLICATION: DE 1993-4307181 19930308.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4307181	C1	19941110	DE 1993-4307181	19930308
	EP 688768	A1	19951227	EP 1994-109605	19940622
	EP 688768	B1	19980902		
	R: AT, BE, CH, ES, FR, GB, IT, LI, NL, PT, SE				
	AT 170514	E	19980915	AT 1994-109605	19940622
	ES 2123078	T3	19990101	ES 1994-109605	19940622
	CZ 283484	B6	19980415	CZ 1994-1561	19940624
	JP 08012651	A2	19960116	JP 1994-146358	19940628
	JP 3558683	B2	20040825		
	ZA 9404873	A	19950706	ZA 1994-4873	19940706
	RU 2124504	C1	19990110	RU 1994-27689	19940721

AB 5H-dibenz[b,f]azepine-5-carboxamide, useful as a pharmaceutical in the treatment of numerous CNS disorders (no data), is prepared in high yield. by the reaction of iminostilbene and alkali cyanates (e.g., NaOCN, KOCN) in AcOH (I), I-H2O, or I-alc. (e.g., MeOH, EtOH) solvent mixts.

L7 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
1996:194720 Document No. 124:232274 Process for the preparation of carbamazepine from 5H-dibenz[b,f]azepine and phosgene with subsequent ammonium hydroxide amidation of the carbonyl chloride intermediate. Raml, Walter; Eichberger, Guenter (Chemie Linz (Deutschland) GmbH, Germany). Ger. Offen. DE 4421294 A1 19951221, 3 pp. (German). CODEN: GWXXBX. APPLICATION: DE 1994-4421294 19940617.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4421294	A1	19951221	DE 1994-4421294	19940617

AB In the title process, 5H-dibenz[b,f]azepine is suspended in a cyclic ether solvent (e.g., THF), and chlorocarbonylated with phosgene, followed by a subsequent NH4OH amidation, producing carbemazepine in 90% theor. yield and >99% purity.

L7 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN

1996:521130 Document No. 125:167812 Preparation of carbamazepine by the phosgenation and amidation of 5H-dibenz[b,f]azepine. Raml, Walter; Eichberger, Guenter (Chemie Linz Gmbh, Austria). Austrian AT 401174 B 19960725, 4 pp. (German). CODEN: AUXXAK. APPLICATION: AT 1994-1102 19940530.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	AT 401174	B	19960725	AT 1994-1102	19940530
	AT 9401102	A	19951115		

AB Carbamazepine is prepared in high yield and purity by the phosgenation of 5H-dibenz[b,f]azepine in a cyclic ether solvent (e.g., THF, dioxane) at 20-70° followed by amidation of the intermediate 5-(chlorocarbonyl)-5H-dibenz[b,f]azepine with NH3 at 50-100°/1-7 bar.

L7 ANSWER 16 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN

2001:427396 Document No. 135:5538 Industrial-scale process for preparing carbamazepine by the reaction of iminostilbene with urea in a protonating media. Vyas, Ketan Dhansukhlal; Jafri, Wajid Sajjad; Kulkarni, Ashok Krishna (Max India Limited, India). U.S. US 6245908 B1 20010612, 3 pp. (English). CODEN: USXXAM. APPLICATION: US 1999-253583 19990219. PRIORITY: IN 1998-DE3427 19981116.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6245908	B1	20010612	US 1999-253583	19990219
	CA 2262159	C	20031021	CA 1999-2262159	19990218
	CA 2262159	AA	20000516		

AB An industrial-scale process for preparing carbamazepine, a known muscle relaxant, anticonvulsant and antidepressant (no data), is described in which iminostilbene is reacted with urea in a protonating medium (i.e., an inorg. acid; e.g., sulfuric acid).

L7 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN

2003:1006946 Document No. 140:42043 Method of preparing a 5H-dibenz[b,f]azepine-5-carboxamide. Gutman, Daniella; Baidossi, Wael (Taro Pharmaceuticals U.S.A., Inc., USA). PCT Int. Appl. WO 2003106414 A2 20031224, 27 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2003-US18823 20030613. PRIORITY: US 2002-PV388811 20020614.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003106414	A2	20031224	WO 2003-US18823	20030613
	WO 2003106414	A3	20040701		
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	US 2004044200	A1	20040304	US 2003-460946	20030613

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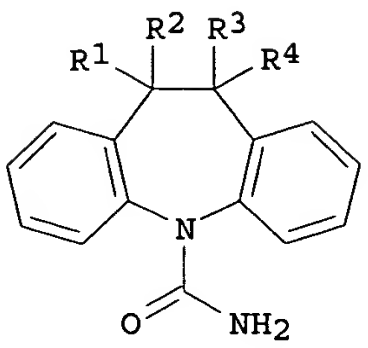

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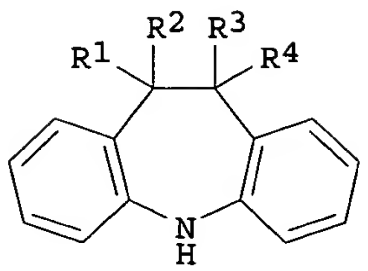

II

AB The present invention provides a method of preparing a 5H-dibenz[b,f]azepine-5-carboxamide I [R1-R4 = H, halo, NO2, CN, etc.; R2 and R3 can together form a bond] comprising reacting a 5H-dibenz[b,f]azepine II with a cyanate salt selected from the group consisting of alkali metal cyanate salts and alkaline-earth metal cyanate salts, and a salt of an amino compound having no N-H bonds, wherein the salt has a Ka (25° C) of at least about 10x10-11. Thus, reacting 10-methoxy-5H-dibenz[b,f]azepine with NaOCN and pyridinium bromide in PhMe followed by hydrolysis of the resulting enol ether with 10% HCl afforded 10-oxo-10,11-dihydro-5H-dibenz[b,f]azepine-5-carboxamide (oxcarbazepine) which is known to control some types of seizures in the treatment of epilepsy (no biol. data given). Preparation of carbamazepine is also described.

L7 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
2004:202758 Product subclass 6: benzazepines and their group 15 analogues. Meigh, J.-P. K. (Germany). Science of Synthesis, 17, 825-927 (English) 2004. CODEN: SSCYJ9. Publisher: Georg Thieme Verlag.
AB A review. Methods for preparing benzazepines and their Group 15 analogs are reviewed including cyclization, ring transformation, aromatization and substituent modification.

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